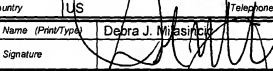
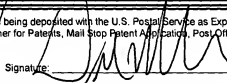


<b>UTILITY PATENT APPLICATION TRANSMITTAL</b>  <small>(Only for new nonprovisional applications under 37 CFR 1.53(b))</small>		Attorney Docket No. <b>UMY-052DV2</b> First Inventor <b>Craig C. Mello</b> Title <b>RNA INTERFERENCE PATHWAY GENES AS TOOLS FOR TARGETED GENETIC INTERFERENCE</b> Express Mail Label No. <b>EV 354229072 US</b>	
<b>APPLICATION ELEMENTS</b> <small>See MPEP chapter 600 concerning utility patent application contents.</small>		<b>ADDRESS TO:</b> Mail Stop Patent Application Commissioner for Patents Post Office Box 1450 Alexandria, VA 22313-1450	
1. <input checked="" type="checkbox"/> Fee Transmittal Form (e.g., PTO/SB17) <small>(Submit on original, and a duplicate for fee processing)</small> 2. <input checked="" type="checkbox"/> Applicant claims small entity status. <small>See 37 CFR 1.27.</small> 3. <input checked="" type="checkbox"/> Specification <span style="float: right;">[Total Pages <b>52</b>]</span> <small>(Preferred arrangement set forth below)</small> <ul style="list-style-type: none"> <li>- Descriptive title of the invention</li> <li>- Cross Reference to Related Applications</li> <li>- Statement Regarding Fed Sponsored R &amp; D</li> <li>- Reference to sequence listing, e table, or a computer program listing, appendix</li> <li>- Background of the Invention</li> <li>- Brief Summary of the Invention</li> <li>- Brief Description of the Drawings (if filed)</li> <li>- Detailed Description</li> <li>- Claims</li> <li>- Abstract of the Disclosure</li> </ul>		7. <input type="checkbox"/> CD-ROM or CD-R in duplicate, large table or Computer Program (Appendix) 8. Nucleotide and/or Amino Acid Sequence Submission (if applicable, all necessary) a. <input checked="" type="checkbox"/> Computer Readable Form (CRF) b. Specification Sequence Listing on: i. <input type="checkbox"/> CD-ROM or CD-R (2 copies); or   ii. <input checked="" type="checkbox"/> Paper c. <input type="checkbox"/> Statements verifying identity of above copies	
4. <input checked="" type="checkbox"/> Drawing(s) (35 U.S.C. 113) <span style="float: right;">[Total Sheets <b>21</b>]</span> 5. Oath or Declaration <span style="float: right;">[Total Sheets <b>3</b>]</span> a. <input type="checkbox"/> Newly executed (original or copy) b. <input checked="" type="checkbox"/> Copy from a prior application (37 CFR 1.63(d)) <small>(For continuation/divisional with Box 18 completed)</small> i. <input type="checkbox"/> <b>DELETION OF INVENTOR(S)</b> <small>Signed statement attached deleting inventor(s) named in the prior application, see 37 CFR 1.63(d)(2) and 1.33(b).</small> 6. <input checked="" type="checkbox"/> Application Data Sheet. See 37 CFR 1.76		<b>ACCOMPANYING APPLICATIONS PARTS</b> 9. <input type="checkbox"/> Assignment Papers (cover sheet & document(s)) 10. <input type="checkbox"/> 37 CFR 3.73(b) Statement <input type="checkbox"/> Power of Attorney <small>(When there is an assignee)</small> 11. <input type="checkbox"/> English Translation Document (if applicable) 12. <input type="checkbox"/> Information Disclosures <input type="checkbox"/> Copies of IDS <small>Statement (IDS/PTO-1449 Citations)</small> 13. <input checked="" type="checkbox"/> Preliminary Amendment 14. <input checked="" type="checkbox"/> Copy of a Substitute Sequence Listing as required under 37 C.F.R. 1.824 as filed on June 18, 2001 15. <input type="checkbox"/> 16. <input type="checkbox"/> Nonpublication Request under 35 U.S.C. 122 (b)(2)(B)(i). <small>Applicant must attach form PTO/SB35 or its equivalent.</small> 17. <input checked="" type="checkbox"/> Other: <div style="border: 1px solid black; padding: 2px; width: 150px;">Copy of a Verified Statement Claiming Small Entity Status (37 C.F.R. 1.9(f) and 1.27(d)) - Nonprofit Organization; Copy of Revocation and New Power of Attorney</div>	
18. If a CONTINUING APPLICATION, check appropriate box, and supply the requisite information below and in the first sentence of the specification following the title, or in an Application Data Sheet under 37 CFR 1.76: <input type="checkbox"/> Continuation <input checked="" type="checkbox"/> Divisional <input type="checkbox"/> Continuation-in-part (CIP) of prior application No.: <b>09/689,992</b> Prior application information: Examiner <b>Teresa E. Strzelecka</b> Art Unit <b>1637</b> For CONTINUATION or DIVISIONAL APPS only: The entire disclosure of the prior application, from which an oath or declaration is supplied under Box 5b, is considered a part of the disclosure of the accompanying continuation or divisional application and is hereby incorporated by reference. The incorporation can only be relied upon when a portion has been inadvertently omitted from the submitted application parts.			
<b>19. CORRESPONDENCE ADDRESS</b>			
<input checked="" type="checkbox"/> Customer Number or Bar Code Label <b>00959</b>		or <input checked="" type="checkbox"/> Correspondence address below	
Name <b>LAHIVE &amp; COCKFIELD, LLP</b> <b>DeAnn F. Smith, Esq.</b> Address <b>28 State Street</b> City <b>Boston</b> State <b>MA</b> Zip Code <b>02109</b> Country <b>US</b> Telephone <b>(617) 227-7400</b> Fax <b>(617) 742-4214</b>			
Name (Print/Type) <b>Debra J. Milasinski</b>		Registration No. (Attorney/Agent) <b>46,931</b>	
Signature 		Date <b>August 20, 2003</b>	
I hereby certify that this correspondence is being deposited with the U.S. Postal Service as Express Mail, Airlift No. EV 354229072 US in an envelope addressed to: Commissioner for Patents, Mail Stop Patent Applications, Post Office Box 1450, Alexandria, VA 22313-1450, on the date shown below. Dated: August 20, 2003 Signature:  (Debra J. Milasinski)			

22154 U.S. P.T.O.

10/645735

08/20/03

13A06 U.S. PTO  
08/20/03

PTO/SB/17 (05-03)

Approved for use through 04/30/2003. OMB 0551-0032  
U.S. Patent and Trademark Office: U.S. DEPARTMENT OF COMMERCE  
Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it displays a valid OMB control number.

# FEE TRANSMITTAL for FY 2003

Effective 01/01/2003, Patent fees are subject to annual revision.

☒ Applicant claims small entity status. See 37 CFR 1.27

TOTAL AMOUNT OF PAYMENT (\$) 725.00

## Complete if Known

Application Number Not Yet Assigned  
Filing Date Concurrently Herewith  
First Named Inventor Craig C. Mello  
Examiner Name Not Yet Assigned  
Art Unit N/A  
Attorney Docket No. UMY-052DV2

## METHOD OF PAYMENT (check all that apply)

☐ Check ☐ Credit Card ☐ Money Order ☐ Other ☐ None

☒ Deposit Account

Deposit Account Number 12-0080

Deposit Account Name Lahive & Cockfield, LLP

The Director is hereby authorized to: (check all that apply)

☒ Charge fee(s) indicated below ☒ Credit any overpayments

☒ Charge any additional fee(s) during the pendency of this application

☐ Charge fee(s) indicated below, except for the filing fee to the above-identified deposit account.

## FEE CALCULATION

### 1. BASIC FILING FEE

Large Entity	Small Entity	Fee Description	Fee Paid
Code (\$)	Code (\$)		
1001 750	2001 375	Utility filing fee	375.00
1002 330	2002 165	Design filing fee	
1003 520	2003 260	Plant filing fee	
1004 750	2004 375	Reissue filing fee	
1005 160	2005 80	Provisional filing fee	
SUBTOTAL (1) (\$)			375.00

### 2. EXTRA CLAIM FEES FOR UTILITY AND REISSUE

Total Claims	Extra Claims	Fee from below	Fee Paid
Independent Claims	8	20** x 8 = 160	0.00
Multiple Dependent Claims	5	42 x 5 = 210	210.00
		140	140

### Large Entity Small Entity

Code (\$)	Code (\$)	Fee Description	Fee Paid
1202 18	2202 9	Claims in excess of 20	
1201 84	2201 42	Independent claims in excess of 3	
1203 280	2203 140	Multiple dependent claim, if not paid	
1204 84	2204 42	Reissue independent claims over original patent	
1205 18	2205 9	Reissue claims in excess of 20 and over original patent	
SUBTOTAL (2) (\$)			350.00

\*\*or number previously paid, if greater; for Reissues, see above.

## FEE CALCULATION (continued)

### 3. ADDITIONAL FEES

Large Entity	Small Entity	Fee Description	Fee Paid
Code (\$)	Code (\$)		
1051 130	2051 65	Surcharge - late filing fee or oath	
1052 50	2052 25	Surcharge - late provisional filing fee or cover sheet	
1053 130	1053 130	Non-English specification	
1812 2,520	1812 2,520	For filing a request for ex parte reexamination	
1804 920*	1804 920*	Requesting publication of SIR prior to Examiner action	
1805 1,840*	1805 1,840*	Requesting publication of SIR after Examiner action	
1251 110	2251 55	Extension for reply within first month	
1252 410	2252 205	Extension for reply within second month	
1253 930	2253 465	Extension for reply within third month	
1254 1,450	2254 725	Extension for reply within fourth month	
1255 1,970	2255 985	Extension for reply within fifth month	
1401 320	2401 160	Notice of Appeal	
1402 320	2402 160	Filing a brief in support of an appeal	
1403 280	2403 140	Request for oral hearing	
1451 1,510	1451 1,510	Petition to institute a public use proceeding	
1452 110	2452 55	Petition to revive - unavoidable	
1453 1,300	2453 650	Petition to revive - unintentional	
1501 1,300	2501 650	Utility issue fee (or reissue)	
1502 470	2502 235	Design issue fee	
1503 630	2503 315	Plant issue fee	
1480 130	1480 130	Petitions to the Commissioner	
1807 50	1807 50	Processing fee under 37 CFR 1.17(g)	
1806 180	1806 180	Submission of Information Disclosure Stmt	
8021 40	8021 40	Recording each patent assignment per property (times number of properties)	
1809 750	2809 375	Filing a submission after final rejection (37 CFR 1.129(a))	
1810 750	2810 375	For each additional invention to be examined (37 CFR 1.129(b))	
1801 750	2801 375	Filing a submission after final rejection (Request for Continued Examination (RCE))	
1802 900	1802 900	Request for expedited examination of a design application	
Other fee (specify)			
*Reduced by Basic Filing Fee Paid			
SUBTOTAL (3) (\$)			0.00

## SUBMITTED BY

Name (Print/Type) Debra J. Milasincic, Esq.

Signature

Registration No. 46,931

## Complete (if applicable)

Telephone (617) 227-7400

Date

August 20, 2003

I hereby certify that this correspondence is being deposited with the U.S. Postal Service as Express Mail, Airmail No. EV 354229072 US, in an envelope addressed to: Commissioner of Patents, Mail Stop Patent Application, P.O. Box 1450, Alexandria, VA 22304-1450, on the date shown below.

Dated: August 20, 2003

Signature (Debra J. Milasincic)

Application No. (if known):

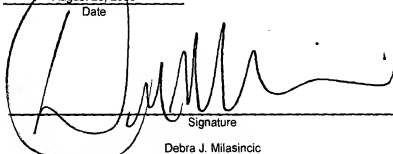
Attorney Docket No.: UMY-052DV2

## Certificate of Express Mailing Under 37 CFR 1.10

I hereby certify that this correspondence is being deposited with the United States Postal Service as Express Mail, Airbill No. EV 354229072 US in an envelope addressed to:

Commissioner for Patents  
P.O. Box 1450  
Alexandria, VA 22313-1450

on August 20, 2003  
Date

  
Signature  
Debra J. Milasincic  
Typed or printed name of person signing Certificate

Note: Each paper must have its own certificate of mailing, or this certificate must identify each submitted paper.

Application Data Sheet